

ABSTRACT OF THE DISCLOSURE

518 A composition and a method of using the composition to adjust the permeability of a
519 subsurface formation is disclosed. The composition is a water insoluble gel made by cross
520 linking a water soluble polymer. The water soluble polymer is made by polymerizing a
521 precursor composition, wherein the precursor composition is a mixture of an acrylic acid
522 compound and a reactant comprised of a divalent metal salt of the acrylic acid compound.